

DEPARTMENT OF WORKFORCE SERVICES  
PARKING GARAGE

720 SOUTH 200 EAST  
SALT LAKE CITY, UT

DFCM PROJECT NO. 07008920



State of Utah – Department of Administrative Services

DIVISION OF FACILITIES CONSTRUCTION  
AND MANAGEMENT

4110 State Office Building / Salt Lake City, Utah 84114 / 538–3018

July 2007

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BUILDING NAME:

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MARK	DATE	DESCRIPTION
ISSUE TYPE: REVIEW DOCUMENTS		

ISSUE DATE: JULY 2007

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CAD DWG FILE:	07037_GSN.dwg
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SHEET TITLE  
COVER SHEET

SHEET NUMBER

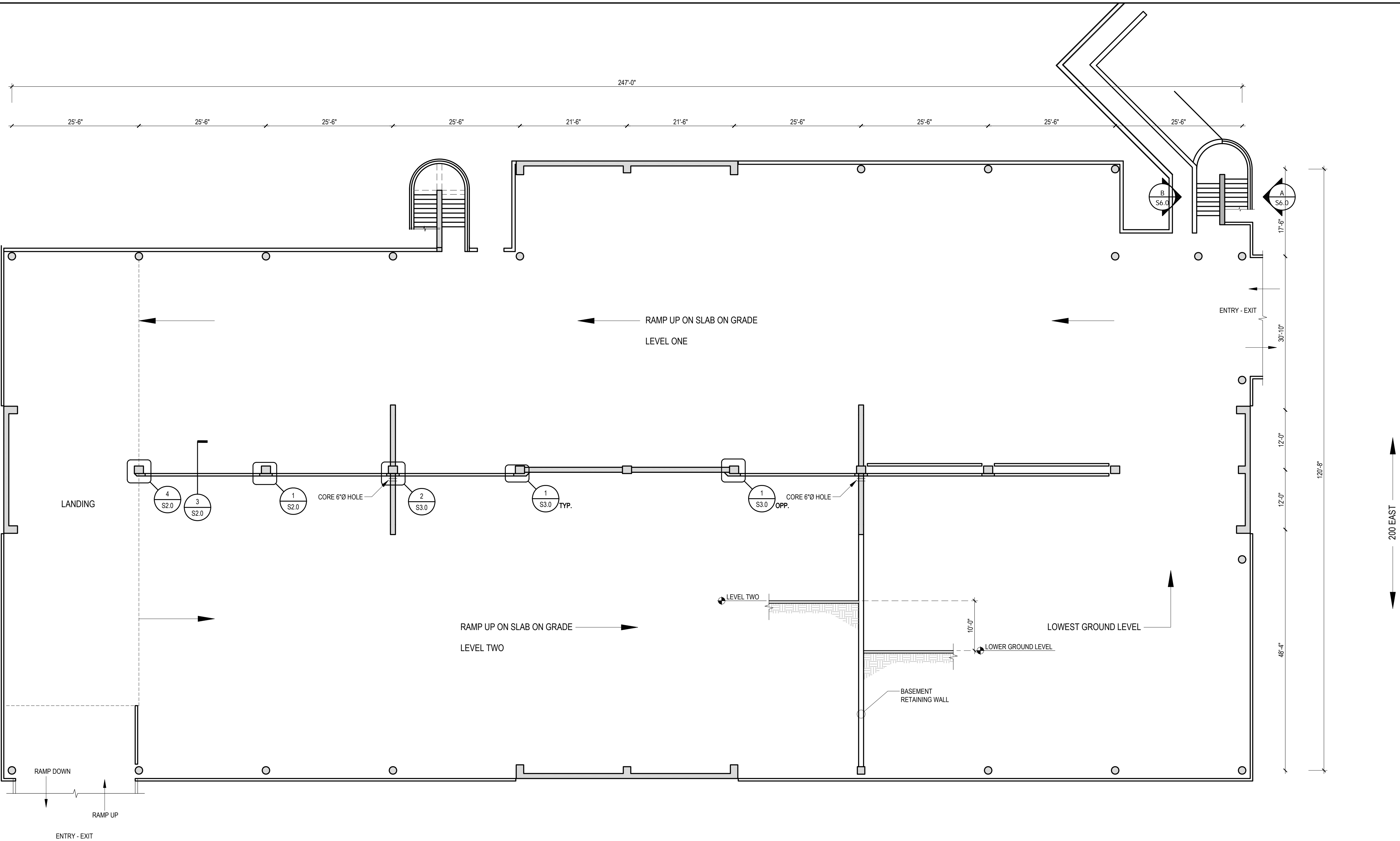
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SHEET 1 OF 7

Project: J:\2007\07037 - 2007 - Engineering Practice Group\07037\Drawn\07037\_GSN.dwg    Last Saved: Thu Jul 05, 2007 - 4:43pm    Last Plotted: Thu Jul 05, 2007 - 4:43pm    By: cjk/kenner







PARKING STRUCTURE LEVELS 1 & 2 (SLAB-ON-GRADE) SCALE: 3/32" = 1'-0" NORTH

KEYNOTES:

- (E) 6" GUARD WALLS
- #4 DOWEL W/ 6" EMBED IN EPOXY
- NEW 6" x 6" x = 2'-2" CONCRETE CURB
- (E) CONCRETE COLUMN
- REMOVE AND RE-INSTALL THE METAL CLOSURE PLATES IN EACH CORNER. RAISE = 2" ON RE-INSTALL, TYP.
- 1/4" FIBER BOARD 6x6 (COMPRESSABLE)

KEYNOTES:

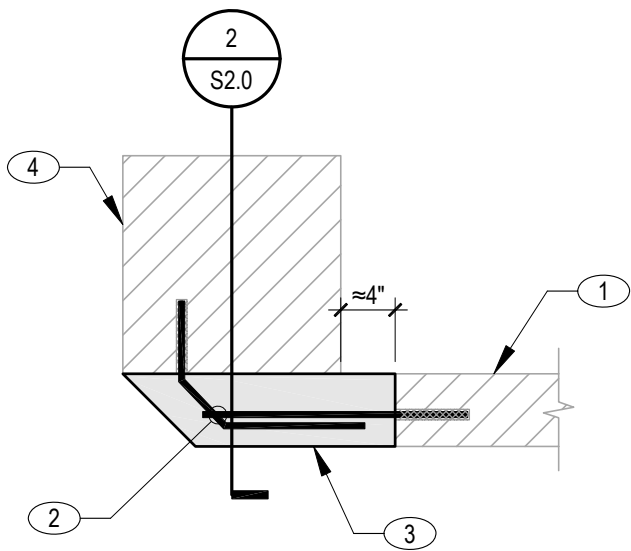
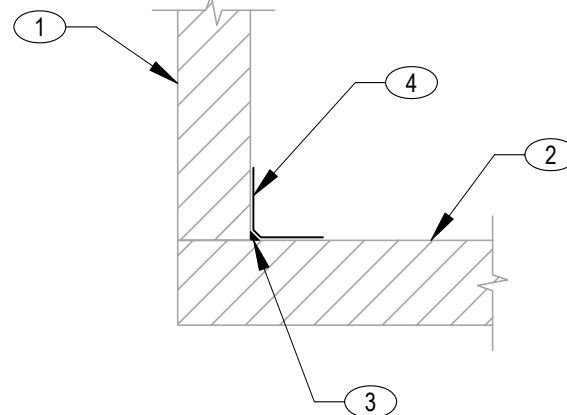
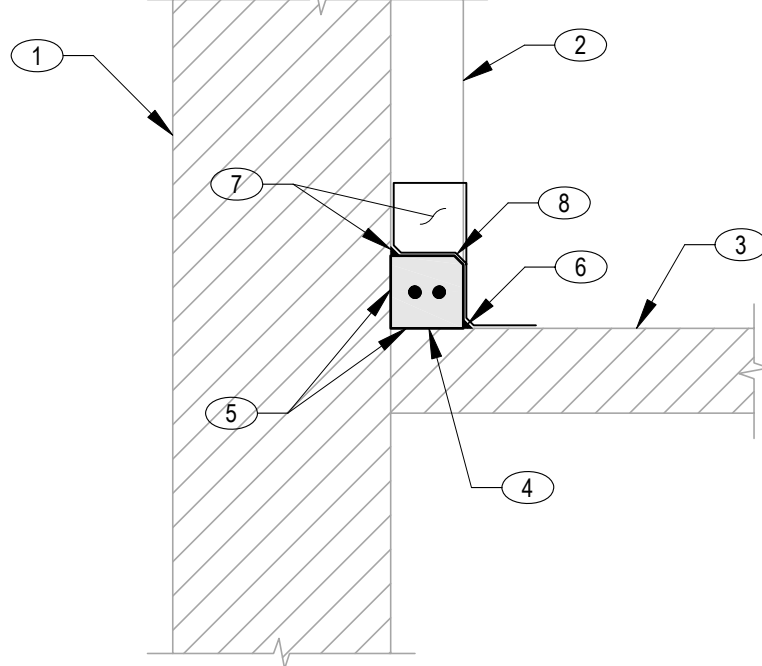
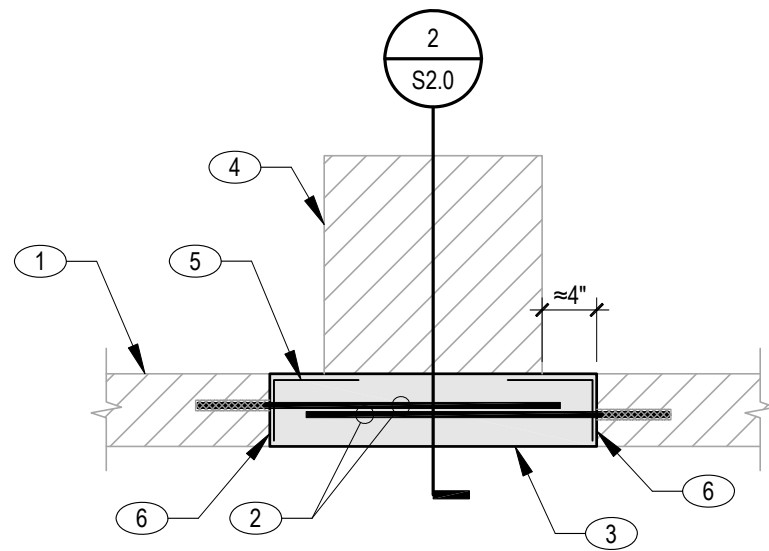
- (E) CONCRETE COLUMN
- (E) CONCRETE GUARD WALL, BEYOND
- (E) CONCRETE DECK
- (N) 6" x 6" CONCRETE CURB BETWEEN GAIRD WALLS
- CLEAN & PREP (E) CONCRETE SURFACES FOR (N) CONCRETE, NOT SHOWN
- 3/4" CHAMFER POLYURATHANE, CONT.
- ELASTOMERIC COATINGS, SEE GSN.
- 3/4" CHAMFER

KEYNOTES:

- (E) CONCRETE GUARD WALL OR (E) CONCRETE SHEAR WALL
- (E) CONCRETE DECK
- 3/4" CHAMFER POLYURATHANE, CONT.
- ELASTOMERIC COATINGS, SEE GSN. 6" UP THE WALL & 6" ONTO THE DECK

KEYNOTES:

- (E) 6" GUARD WALL
- #4 DOWEL W/ 6" EMBED IN EPOXY, TYP.
- NEW 6" x 6" x = 2'-2" CONCRETE CURB
- (E) CONCRETE COLUMN

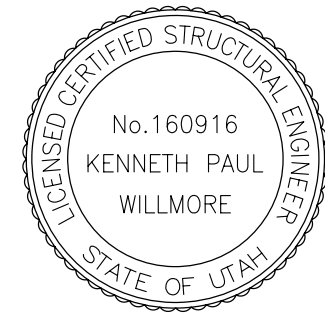


1 PLAN VIEW OF (N) CONCRETE CURB, TYPICAL (ALTERNATE BID) NO SCALE

2 CONCRETE CURB DETAIL, TYPICAL (ALTERNATE BID) NO SCALE

3 DETAIL (ALTERNATE BID) NO SCALE

4 PLAN @ DECK EDGE & END COLUMN (ALTERNATE BID) NO SCALE



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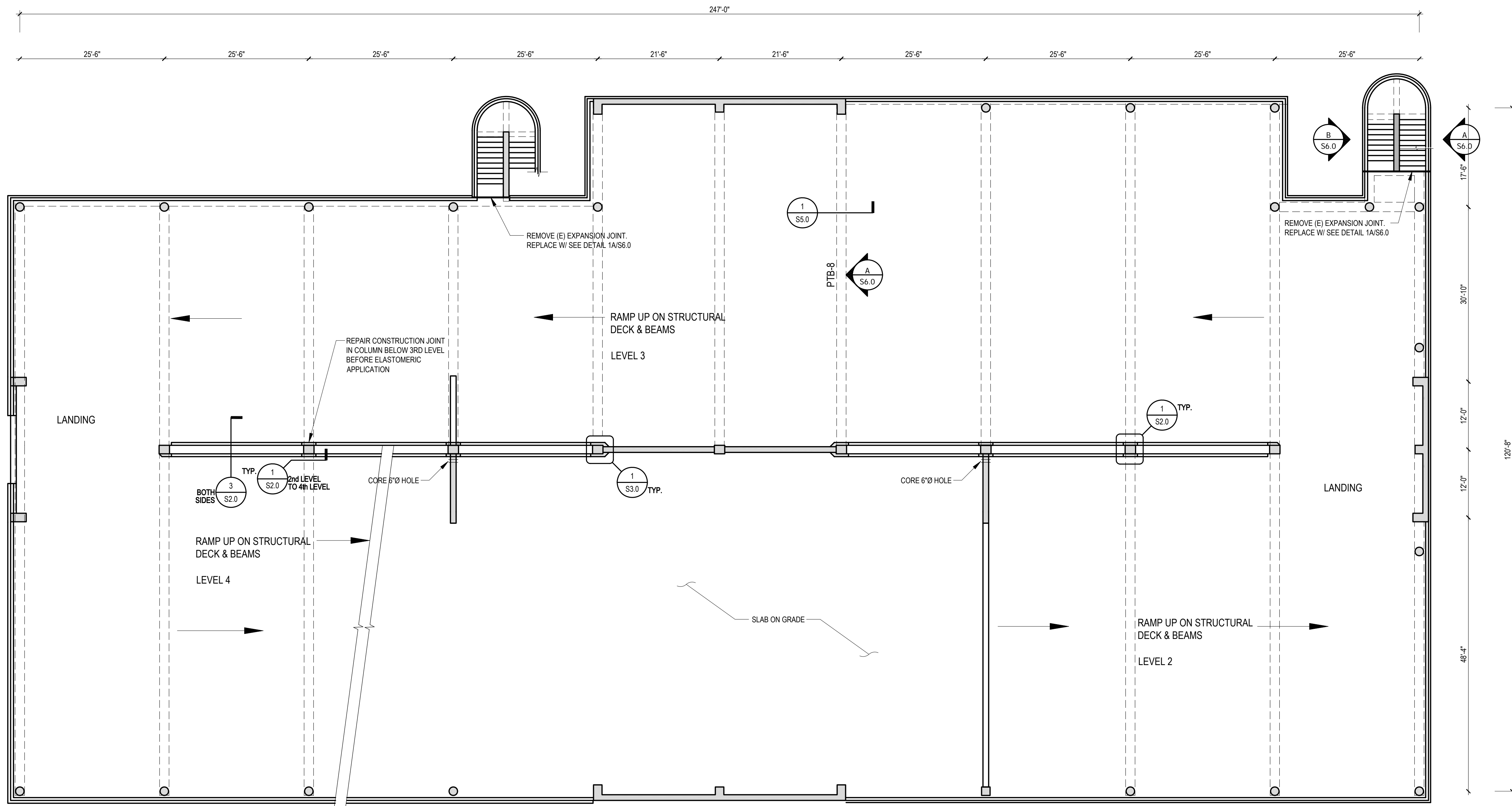
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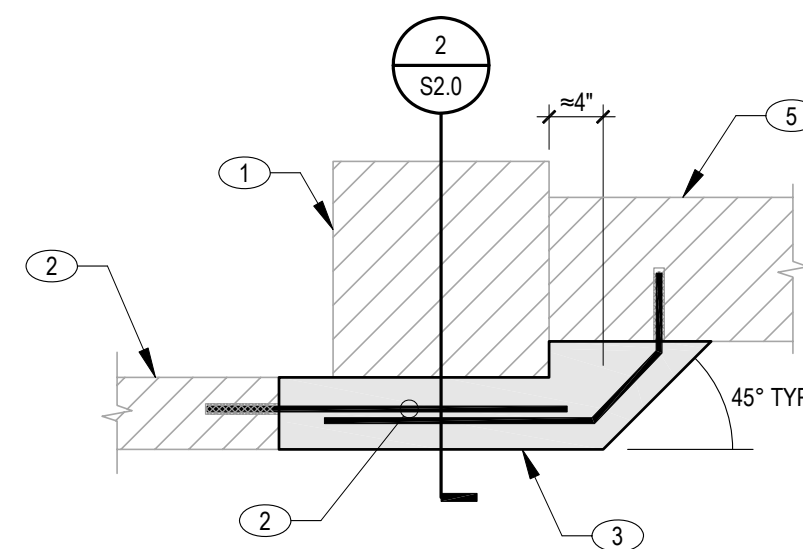
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**LEVEL 1 & 2  
PARKING  
GARAGE**

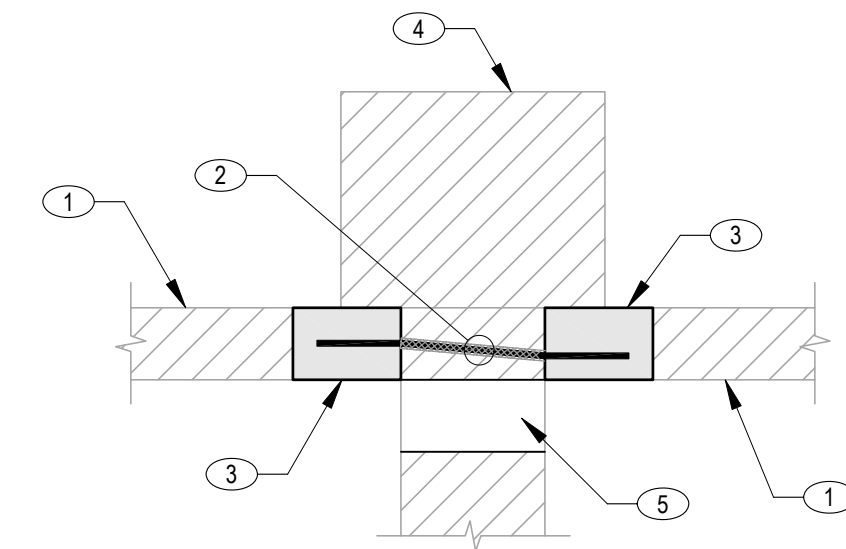
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PARKING STRUCTURE LEVELS 2, 3 & 4 (ELEVATED STRUCRURAL DECK & BEAMS) SCALE: 3/32" = 1'-0" NORTH



1 DETAIL (ALTERNATE BID)  
S3.0 NO SCALE



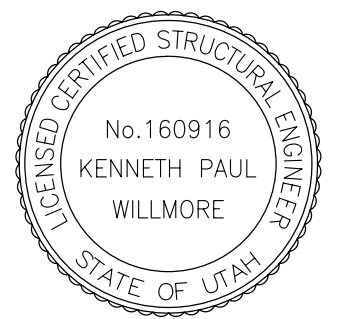
2 DETAIL (ALTERNATE BID)  
S3.0 NO SCALE

KEYNOTES:

- (E) CONCRETE COLUMN
- (E) 6" GUARD WALLS
- TAPERED 6x6 CONCRETE CURB
- #4 DOWELS W/ 6" EMBEDMENT, TYP.
- (E) CONCRETE SHEAR WALL

KEYNOTES:

- (E) 6" GUARD WALLS
- #4 DOWEL DRILL THRU CONCRETE SHEAR WALL. SEE DETAIL 2/S2.0, SIMILAR
- NEW 6" x 6" x 9" CONCRETE CURB
- (E) CONCRETE COLUMN
- (N) 6" CORED HOLE. BOTTOM EDGE FLUSH W/ TOP OF PARKING DECK. COAT INSIDE OF HOLES W/ ELASTOMERIC COATING.



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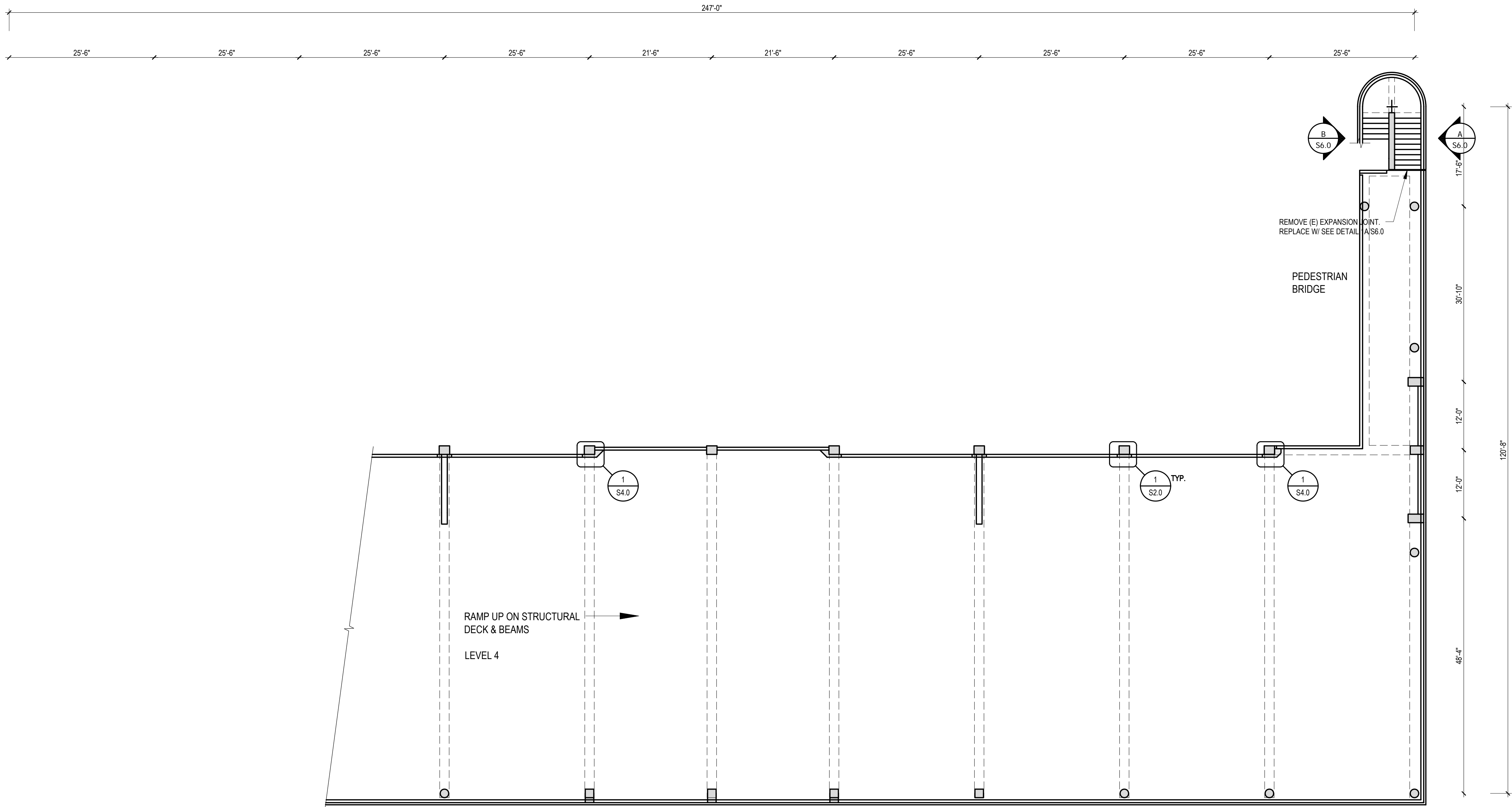
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LEVELS 2 & 3  
PARKING  
GARAGE

S3.0

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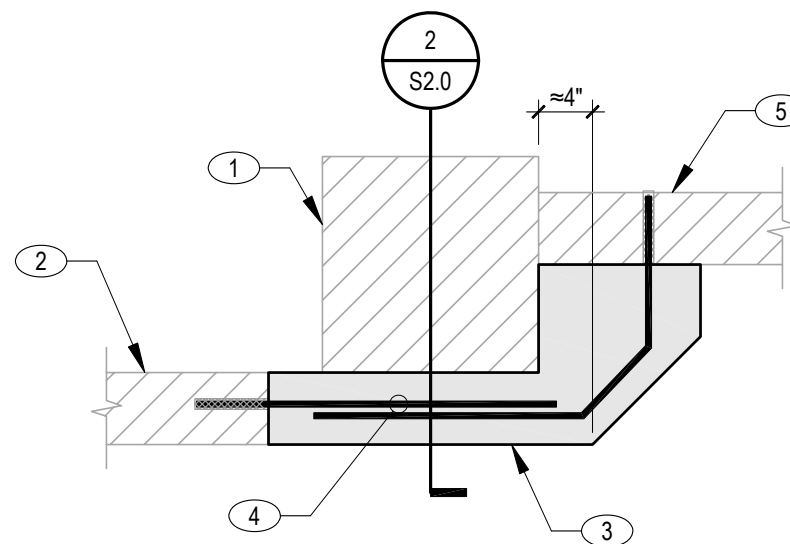
PARKING STRUCTURE LEVEL 4 & PEDESTRIAN BRIDGE

SCALE: 3/32" = 1'-0"



KEYNOTES:

- (E) CONCRETE COLUMN
- (E) 6" GUARD WALLS
- TAPERED 6x6 CONCRETE CURB
- #4 DOWELS W/ 6" EMBEDMENT, TYP.
- (E) CONCRETE GAURD WALL



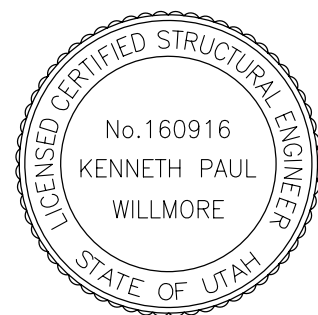
NOTES:

- REMOVE (E) EXPANSION JOINT. REPLACE W/ .... SEE DETAIL 1A/S6.0

1 S4.0  
DETAIL (ALTERNATE BID)  
NO SCALE



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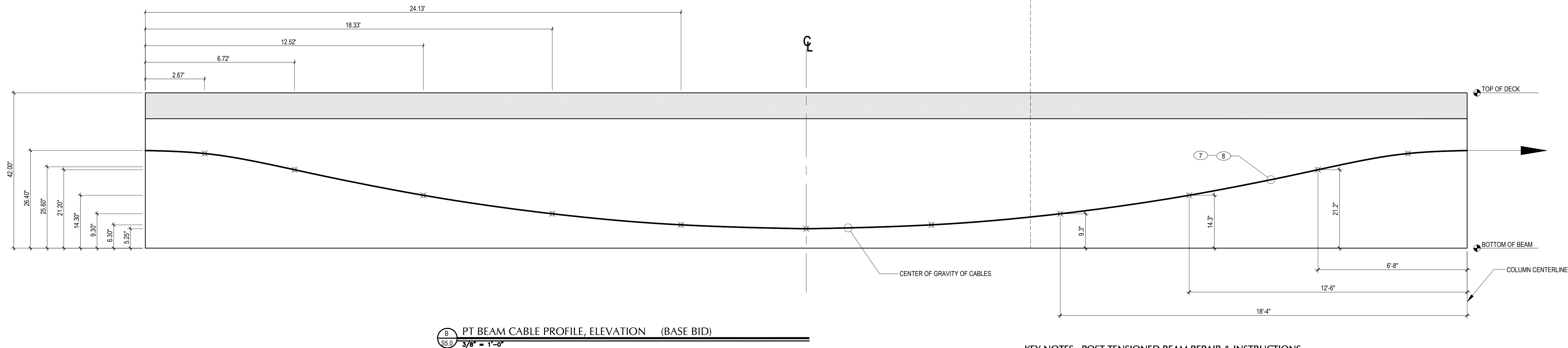
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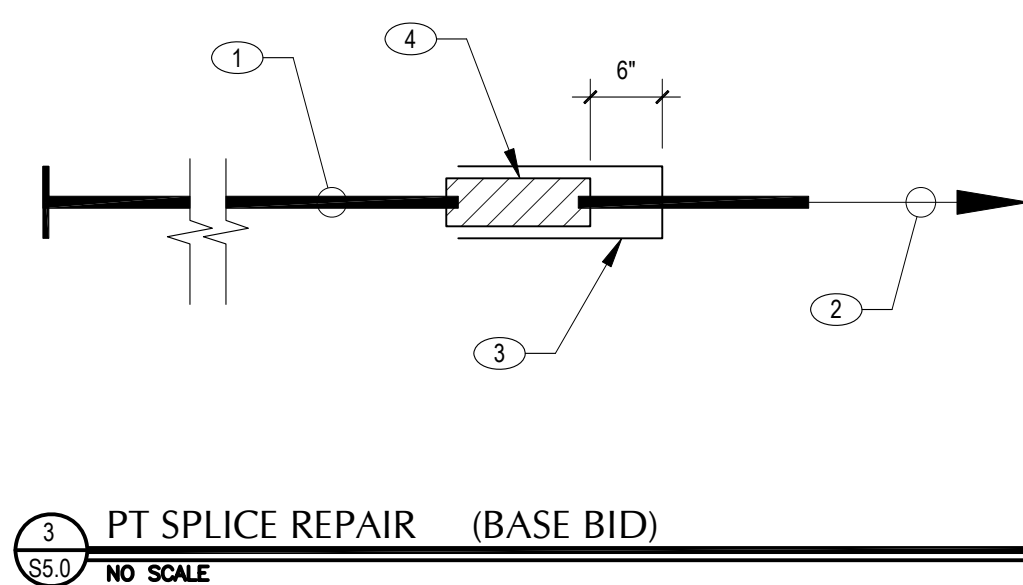
LEVEL 4  
PARKING  
GARAGE

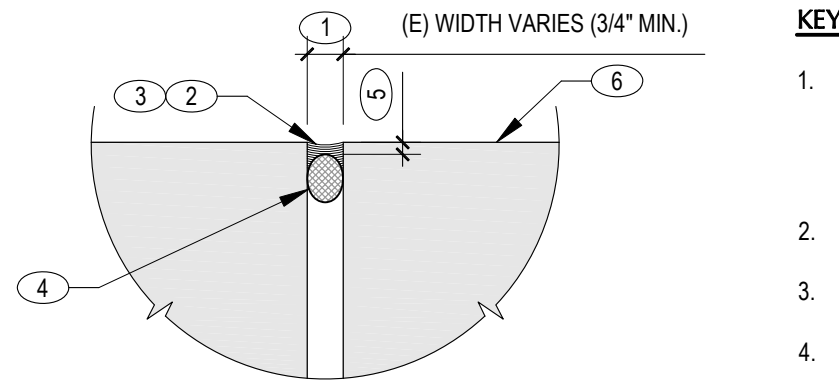
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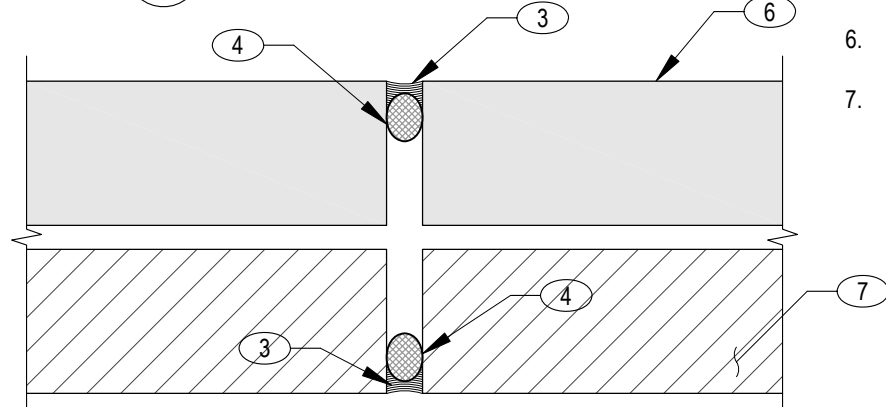


9. TIE CABLES TO (E) BEAM STIRRUPS (24" O.C.) WITH #4 CROSS BARS @ PROPER DRAP. SEE DETAIL 155.0
  10. PRESSURE EPOXY BEAM CRACK AS REQUIRED. REMOVE AS LITTLE OF BEAM ABOVE COLUMN AS POSSIBLE.
  11. REPAIR BROKEN SHEATHING ON CABLES AND EPOXY REPAIR DAMAGED REINFORCEMENT.
  12. USE X-RAY, GROUND PENETRATING RADAR (GPR) OR OTHER APPROVED METHODS TO LOCATE BOTH PT AND REBAR OVER THE REMOVED BEAM SECTION IN THE SLAB ABOVE. CORE # ACCESS HOLES THRU THE DECK @ = 2'-0" O.C. ALONG THE LENGTH OF THE REPAIR AREA. USE SMALLER CORE IF REQUIRED BUT HOLES MUST BE LARGE ENOUGH TO ACCOMMODATE A CONCRETE PUMP.
- IF CONTRACTOR HAS A BETTER METHOD IT IS APPROVED BY THE EOR. IT CAN BE USED.
13. PREP CONCRETE INTERFACE BEFORE CONCRETE POUR.
  14. CLOSE BEAM FORMS. MATCH (E) BEAM SIZE.
  15. PUMP CONCRETE THRU 2' TALL STAND PIPES (PROVIDES A HYDRAULIC HEAD) ABOVE CORES. PUMP CONCRETE THRU DIFFERENT HOLES AS NEEDED. CONCRETE MUST BE FORCED UP THRU OTHER CORES. SEE STRUCTURAL GENERAL NOTES FOR CONCRETE MIX.
- VIBRATE CONCRETE DURING PLACEMENT. A PRESSURE PUMP CAN BE USED. GOOD BONDING OF NEW TO EXISTING CONCRETE IS ESSENTIAL.
- (CONCRETE TRUCK IS NOT ALLOWED ON ELEVATED SLABS.)
16. FINISH CONCRETE AT DECK ACCESS HOLES TO MATCH THE EXISTING CONCRETE SURFACE. HOLE EDGES MAY REQUIRE JOINT SEALANT.
  17. DO NOT TENSION CABLES UNTIL CONCRETE STRENGTH REACHES  $F_c \geq 4000$  PSI. BEAM SHOULD LIFT OFF SHORING.
  18. REMOVE FORMS. PATCH & REPAIR ANY NOTED DEFECTS AS DIRECTED BY THE E.O.R. IF (N) & (E) CONCRETE DOES NOT BOND PROPERLY, EPOXY INJECTION MAYBE REQUIRED.
  19. BURN OF EXCESS PT ENDS. CAP HOLES WITH WATER PROOF GROUT.
  20. REPAIR BRICK VENEER AND STEEL LEDGER TO ORIGINAL CONDITION.
  21. OTHER REPAIR METHODS CAN BE USED OR THIS METHOD CAN BE MODIFIED BY THE CONTRACTOR ONLY WITH THE APPROVAL OF THE EOR.





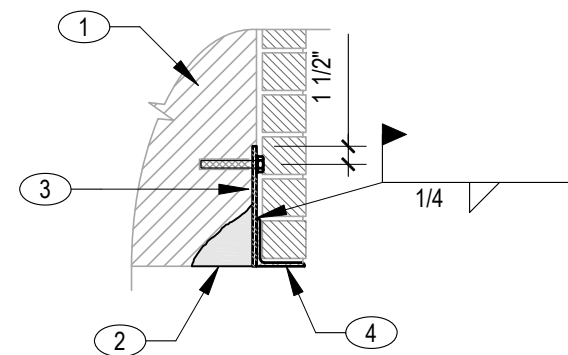
A EXPANSION JOINT IN DECKS



B EXPANSION JOINT IN GAURD RAIL & BRICK VENEER  
(AT NORTH-EAST STAIRS ONLY)

KEYNOTES:

1. IF (E) EXPANSION JOINT IS LESS THAN 3/4", SAW CUT EDGES OF CONCRETE TO MAKE WIDTH OF JOINT 3/4". DEPTH OF CUT TO INCLUDE BACKER ROD.
2. REMOVE & REPLACE (E) EXPANSION JOINT.
3. POLYURATHANE
4. BACKER ROD
5. CENTER DEPTH OF SEALANT 1/2 THE WIDTH, TYPICAL
6. CONCRETE
7. BRICK

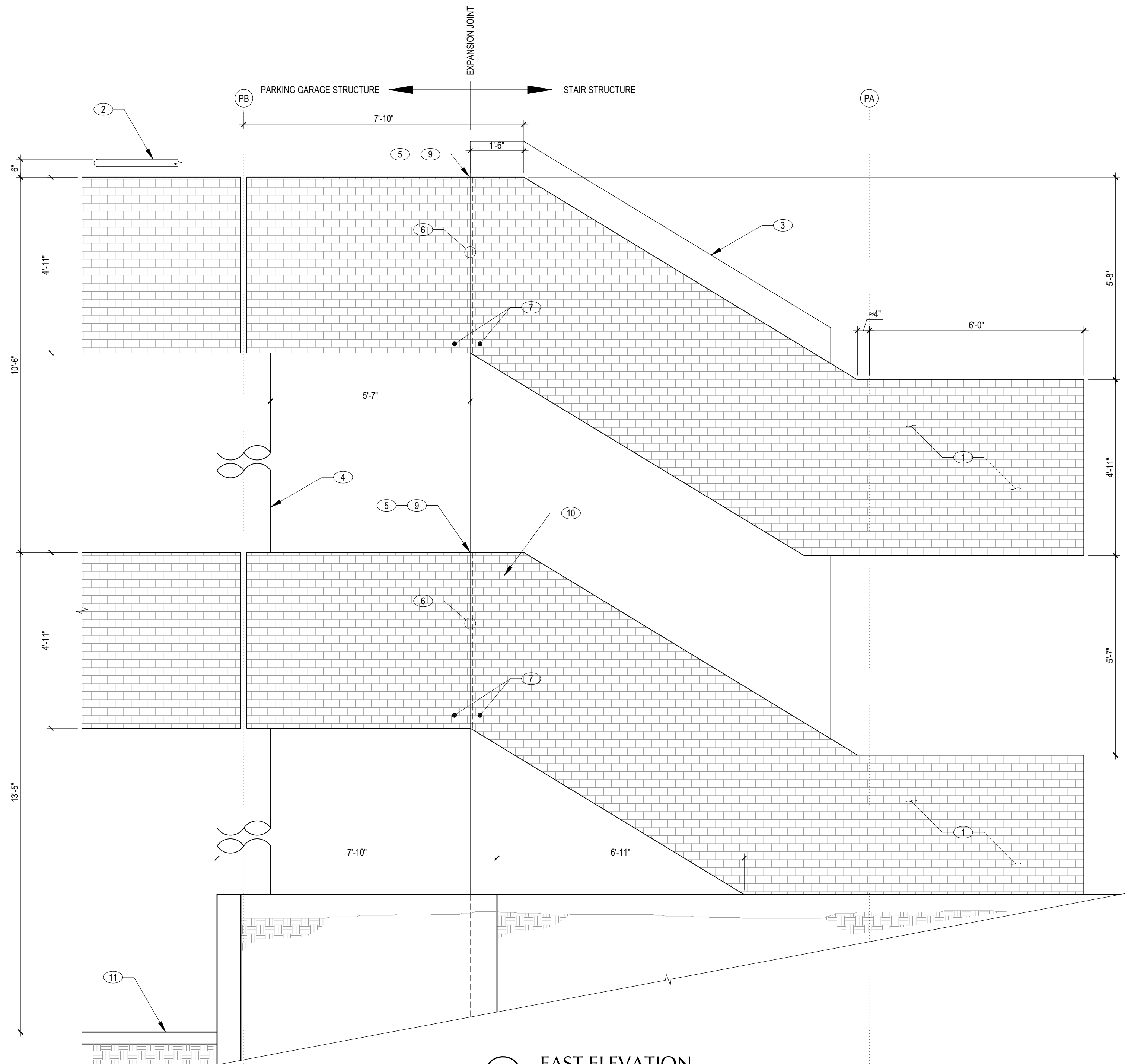


KEYNOTES:

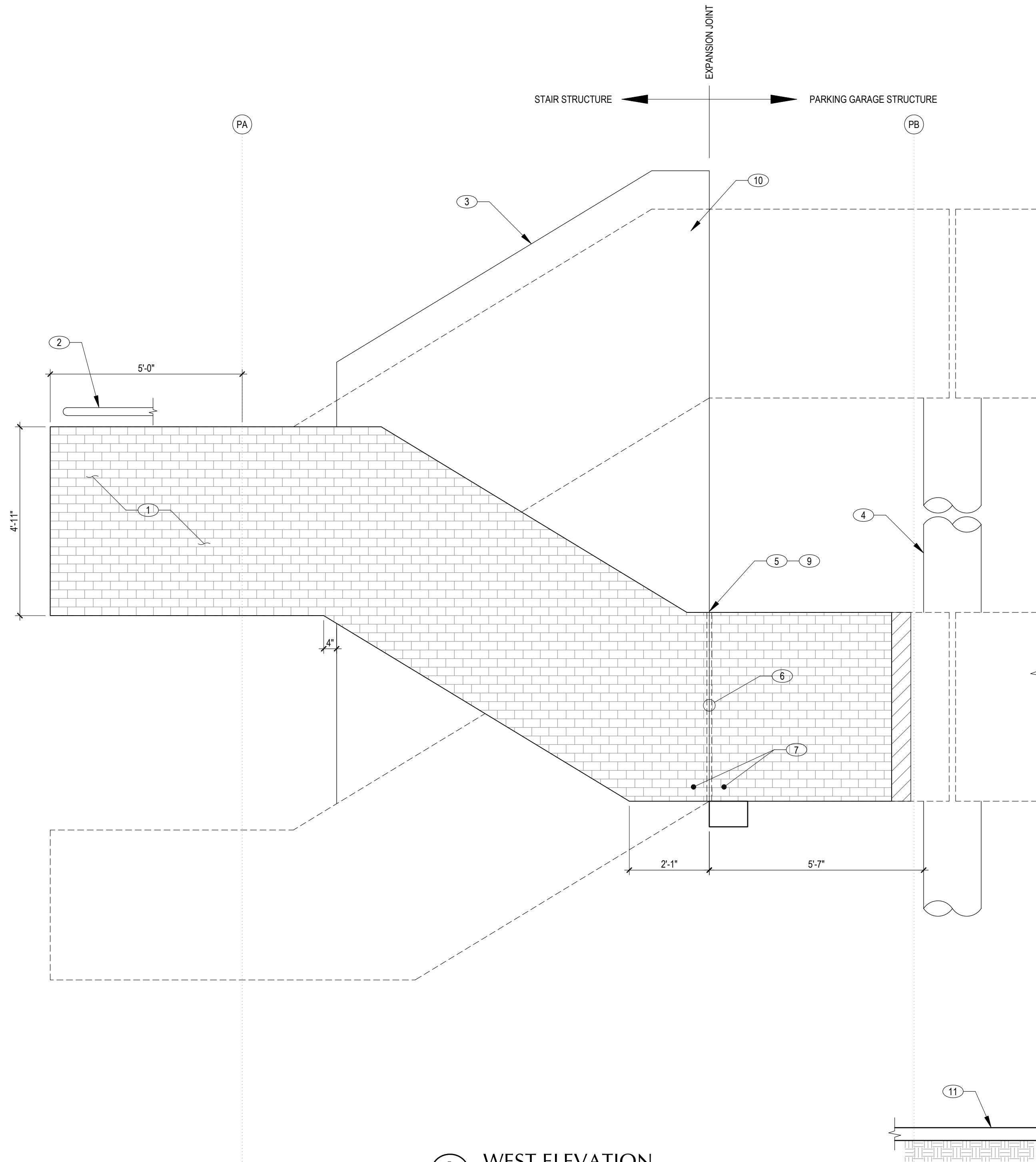
1. (E) CONCRETE
2. WHERE CONCRETE HAS SPALLED, PATCH
3. (N) 5/16" x 8" x 10" PLATE (10" VERTICAL) W/ (2) 5/8"Ø x 4" EMBEDMENT. REMOVE 5/16" LAYER OF CONCRETE TO RECEIVE (N) PLATE. (EITHER SIDE OF EXPANSION JOINT AS REQUIRED)
4. (E) OR (N) LEDGER ANGLE, MATCH

1 EXPANSION JOINT IN DECKS/ GUARD WALL & BRICK VENEER  
S&0 NO SCALE  
(ALTERNATE & BASE BID)

2 LEDGER SUPPORT (BASE BID)  
S&0 NO SCALE



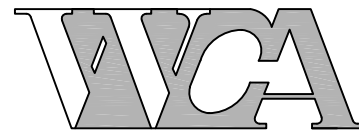
A EAST ELEVATION  
S&0 (BASE BID)  
SCALE: 1/4" = 1'-0"



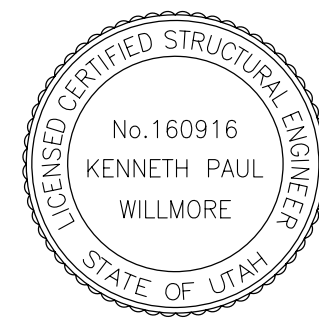
B WEST ELEVATION  
S&0 (BASE BID)  
SCALE: 1/4" = 1'-0"

NEW EXPANSION JOINT NOTES & INSTRUCTIONS:

1. (E) BRICK VENEER
2. (E) STEEL PIPE HAND RAILING (2 1/2"Ø NOMINAL), TYPICAL. HANDRAIL ONLY SHOWN IN TWO PLACE.
3. (E) CONCRETE WALL. LOCATED IN THE MIDDLE OF THE STAIR RISERS
4. (E) CONCRETE COLUMN BEYOND
5. REMOVE A SECTION OF (E) TOP OF WALL. FLASHING AND COVER PLATES TO MAKE REPAIRS. ALSO REMOVE THE (E) METAL JOINT SHIELDS.
6. SAW CUT A 3/4" VERTICAL EXPANSION JOINT THRU BRICK VENEER AND LEDGER (L4x4x1/4). SHORE LEDGER ANGLE BEFORE CUTTING. ALINE JOINT W/ (E) EXPANSION JOINT BETWEEN THE PARKING DECK AND THE STAIRS. SEE DETAIL 18/S&0
7. REMOVE BRICK VENEER AS REQUIRED ON BOTH SIDE OF (N) EXPANSION JOINT TO INSTALL OR REPAIR LEDGER SUPPORT PLATES AND CONCRETE ANCHORS. (SAVE BRICK). SEE DETAIL 2/S&0. AN ANGLE SUPPORT PLATE IS REQUIRED WITHIN 1'-0" OF THE EXPANSION JOINT ON BOTH SIDES OF THE (N) JOINT.
8. PAINT ALL WELDS AND EXPOSED NON-GALVANIZED STEEL SURFACES WITH (2) COATS OF 'AERVOE'S' 'BRITE GALVANIZE'. ALLOW EACH COAT TO DRY BEFORE PROCEEDING.
9. REINSTALL THE REMOVED FLASHING TO IT ORIGINAL CONDITION & THE (E) METAL JOINT SHIELDS TO THEIR ORIGINAL LOCATION. IF THE FLASHING IS DAMAGED DURING REMOVAL, STORAGE, ETC., PROVIDE (N) MATCHING FLASHING.
10. REMOVE AND REINSTALL HAND RAIL MOUNTING PIPE & BRACKET ON THE TOP LEVEL & SIDE COVER PLATES. REINSTALL WITHIN 12" FROM THE SOUTH EDGE OF THE (N) EXPANSION JOINT. WELD AND ATTACH THE HAND RAIL GOING DOWN THE TOP FLIGHT OF STAIRS (There are (2) (E) mounting brackets). GRIND SMOOTH ALL WELDS. PAINT WELD SURFACES WITH MATCHING PAINT.
11. SLAB ON GRADE (S.O.G.)



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ELEVATIONS

S6.0